

ABTRACT OF THE DISCLOSURE

A radiation image sensor includes a radiation detector layer formed of radiation detector particles which generate electric charges upon exposure to recording radiation and are
5 dispersed in a polymer, and an electric signal detector layer formed of detector elements each of which is formed on the surface of a plastic substrate for each pixel to detect the electric charges generated at the corresponding pixel in the radiation detector layer. The radiation detector layer and
10 the electric signal detector layer are laminated one on the other.